

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"2005009740"	US-PGPUB; USPAT	AND	OFF	2010/02/17 15:14
L2	2	"20050090740"	US-PGPUB; USPAT	AND	OFF	2010/02/17 15:14
L3	18	"6139500"	US-PGPUB; USPAT	AND	OFF	2010/02/17 16:02
S1	1	((BECKY) near2 (ELLINGTON)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/24 21:49
S2	2	((BECKY) near2 (ELLINGTON)).INV.	EPO; JPO; DERWENT	OR	OFF	2009/05/24 21:50
S3	1	((BRENDA) near2 (CUCCI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/24 21:52
S4	2	((BRENDA) near2 (CUCCI)).INV.	EPO; JPO; DERWENT	OR	OFF	2009/05/24 21:52
S5	19	((PAUL) near2 (DETMER)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/24 21:59
S6	50	transducer\$1 array\$1 and azimuth direction \$1 and elevation and sweep\$3 and actuat\$4 and oscillat\$4 and forward\$1 and transmitter\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/24 22:56
S7	3	transducer\$1 array\$1 and azimuth direction \$1 and elevation and sweep\$3 and actuat\$4 and oscillat\$4 and forward\$1 and transmitter\$1	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/05/24 22:56
S8	26	("4671293"   "5537367"   "5546807" "5744898"   "5808962"   "5894646" "5902241"   "5938612"   "6014897" "6279399").PN. OR ("6419633").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/25 02:41

S9	0	transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/05/25 14:10
S10	54	transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 14:11
S11	25	"5460179"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 14:12
S12	39	"4468747"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 14:26
S13	29	"4581636"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 14:27
S14	101	"5159931"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 14:28
S15	8	"5165414"	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 14:30
S16	599	transducer array and azimuth and elevation	US-PGPUB; USPAT	ADJ	OFF	2009/05/25 14:38
S17	23	transducer array and azimuth and elevation and oscillat\$4 and actuat\$4	US-PGPUB; USPAT	ADJ	OFF	2009/05/25 14:38
S18	0	600/444/ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 17:39
S19	1377708	600/444/ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/25 17:39
S20	1377744	600/445.ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/25 17:39

S21	0	600/454.ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 17:40
S22	0	600/456.ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 17:41
S23	0	600/457.ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	AND	OFF	2009/05/25 17:41
S24	0	600/457.ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2009/05/25 17:41
S25	2	600/459.ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2009/05/25 17:41
S26	0	600/463.ccls. and transducer array sweep \$4 forward and revers \$4 direction\$1 and oscillator\$1 and actuat \$3 and azimuth\$3 and elevation\$1	US-PGPUB; USPAT; USOCR	WITH	OFF	2009/05/25 17:41
S27	129170	sweep\$4 array with elevat\$4 and azimut\$5 and oscillat\$4	US-PGPUB; USPAT	OR	OFF	2009/12/03 16:33
S28	13	sweep\$4 array with elevat\$4 and azimut\$5 and oscillat\$4	US-PGPUB; USPAT	WITH	OFF	2009/12/03 16:33
S29	8	transducer\$1 transmit \$4 sequen\$4 beam\$1 and revers\$4 sequen \$4	US-PGPUB; USPAT	WITH	OFF	2010/02/17 10:43

S30	7283	transducer\$1 transmit \$4 first sequen\$4 beam \$1 and second revers \$4 sequence\$1	US-PGPUB; USPAT	AND	OFF	2010/02/17 10:47
S31	1958	transducer\$1 transmit \$4 first sequence\$1 beam\$1 with second revers\$4 sequence\$1	US-PGPUB; USPAT	AND	OFF	2010/02/17 10:48
S32	50	transducer\$1 transmit \$4 first sequence\$1 beam\$1 with second revers\$4 sequence\$1 and sweep\$4 recipr\$4 direct\$4	US-PGPUB; USPAT	AND	OFF	2010/02/17 10:48
S33	702	transducer\$1 transmit \$4 beam\$1 left side\$1 with revers\$4 sequence \$1 right side\$1	US-PGPUB; USPAT	AND	OFF	2010/02/17 10:52
S34	13	transducer\$1 transmit \$4 beam\$1 left side\$1 with revers\$4 sequence \$1 right side\$1 and azimut\$4 and elevation direct\$4	US-PGPUB; USPAT	AND	OFF	2010/02/17 10:53
S35	312	transducer\$1 transmit \$4 beam\$1 and chang \$4 sequence\$1 revers \$4 and azimut\$4 and elevation direct\$4	US-PGPUB; USPAT	AND	OFF	2010/02/17 11:03
S36	592	transducer\$1 transmit \$4 sequenc\$4 beam\$1 with revers\$4 direct\$4	US-PGPUB; USPAT	AND	OFF	2010/02/17 11:13
S37	50	transducer\$1 transmit \$4 sequenc\$4 beam\$1 with revers\$4 direct\$4 and azimuth\$4 and elevation\$1	US-PGPUB; USPAT	AND	OFF	2010/02/17 11:13

2/17/2010 5:27:18 PM

C:\Documents and Settings\jbrutus2\My Documents\EAST\Workspaces\10578633.wsp